= ABS + KWIC unless otherwise specified.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6754822".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 13:22
L2	1	"5841978".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 13:23
L3	22	"internet mark"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 13:24
S1	1	("20010027450").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/09/27 08:04
S2	1	S1 and set with (mark watermark)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/27 08:05
S3	1	S1 and (mark watermark)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/27 08:58
S4	1	S1 and sort$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/27 09:12
S5	1	S1 and locat$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/27 09:12
S6	1	EP-814398-A1.did.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 13:22
S7	1	(("20010027450").PN.) and $5mark$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 10:14
S8	1	(("20010027450").PN.) and $5mark	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 10:14
S9	1	("5572590").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/09/22 10:55
S10	20	"5572590".URPN.	USPAT	OR	ON	2004/09/22 11:17
S11	13	"5572590".URPN. and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 10:55
S12	1	(("20010027450").PN.) and (regist$9 renew$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:22
S13	1	(("20010027450").PN.) and (path$4)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:22
S14	1	(("20010027450").PN.) and (path$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:23

S15	211	hash$3 with ((file adj name) (path adj name))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:30
S16	75	(hash$3 with ((file adj name) (path adj name))) and @ad<"20000320"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:24
S17	52	((hash$3 with ((file adj name) (path adj name))) and @ad<"20000320") and (verif$9 integrity validat$3 signature)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:30
S18	75	@ad<"20000320" and (hash$3 with ((file adj name) (path adj name)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 07:08
S19	48	(((hash$3 with ((file adj name) (path adj name))) and @ad<"20000320") and (verif$9 integrity validat$3 signature)) and (verif$9 integrity validat$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:31
S20	48	@ad<"20000320" and (signature$3 with ((file adj name) (path adj name)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:26
S21	36	(@ad<"20000320" and (signature$3 with ((file adj name) (path adj name)))) and (verif$9 integrity validat$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 13:32
S22	1	(("20010027450").PN.) and (mark watermark)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:01
S23	1	((("20010027450").PN.) and (mark watermark)) and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 14:43
S24	1	((((("20010027450").PN.) and (mark watermark)) and hash$3) and (document file)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 14:43
S25	1	(("20010027450").PN.) and (client server)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:02
S26	1	((("20010027450").PN.) and (client server)) and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:22
S27	12	signature with (path adj name)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:33
S28	236	(web adj server) same directory same html same file	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:48
S29	164	(hash$3 signature) adj (tree hierarch$6)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:49
S30	38	@ad<"20000320" and ((hash$3 signature) adj (tree hierarch$6)) same (verif$9 valid$9 authentic$5)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:54
S31	1	("4,881,264").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/09/22 15:58
S32	13	(hash adj (cumulative$3 aggregat$3))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/22 15:58

S33	7576	((hash hashed hashing signature signs signed signing) with (signatures hashes))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/22 15:59
S34	1021	((hash hashed hashing signature signs signed signing) adj2 (signatures hashes))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/22 15:59
S35	109	((hash) adj2 (signatures hashes))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/22 16:06
S36	0	"2001/0027450".PN.	USPAT	OR	ON	2004/09/22 16:01
S37	38	(((hash) adj2 (signatures hashes))) and @ad<"20000320"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:00
S38	1	("5005200").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:10
S39	5	(hash adj "of" adj hashes) OR (hashing adj hashes)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:20
S40	9	@ad<"20000320" and ((hierarch$8 nest$3) adj hash$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:15
S41	110	efficien$2 adj hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:22
S42	56	(efficien$2 adj hash$3) and @ad<"20000320"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:27
S43	29082	@ad<"20000320" and $2crypt$9	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:28
S44	2616	(@ad<"20000320" and $2crypt$9) and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 11:22
S45	319	file adj modification	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:28
S46	155	(file adj modification) and @ad<"20000320"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 09:28
S47	29	((file adj modification) and @ad<"20000320") and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 10:43
S48	416	@ad<"20000320" and (hash$3 same integrity)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 10:44
S49	15	(@ad<"20000320" and (hash$3 same integrity)) and ((verif$9 validat$3 authenticat$3) with (only adj (one single)))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 12:36
S50	27	@ad<"20000320" and integrity and (haber stornetta).in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 12:42

S51	1	(@ad<"20000320" and integrity and (haber stornetta).in.) and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 12:42
S52	1	("5,136,647").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 12:42
S53	7	@ad<"20000320" and hash$3 and (haber stornetta).in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 12:43
S54	1	("4,309,569").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2004/09/23 12:49
S55	6	sun.as. and hanna.in. and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 13:50
S56	255	@ad<"20000320" and hash$3 and (web adj server) and (files database) and integrity	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 13:51
S57	59	@ad<"20000320" and hash$3 and (web adj server) and (files database) and integrity and watermark$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 13:53
S58	85	@ad<"20000320" and hash$3 and (web adj server) and (files database) and integrity and (watermark$3 fingerprint$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 13:54
S59	24	@ad<"20000320" and (web adj server) and (hash$3 with (files database)) and integrity and (watermark$3 fingerprint$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 13:55
S60	13	(@ad<"20000320" and (web adj server) and (hash$3 with (files database)) and integrity and (watermark$3 fingerprint$3)) not ginter.in.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 14:02
S61	66	@ad<"20000320" and (visible adj watermark$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 14:48
S62	1	@ad<"20000320" and (detect$3 with chang$3 with filename)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2004/09/23 15:06
S72	356	@ad<"20000330" and (integrity) and (hash$3 signature) and (locat$3 with modif$7)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:34
S73	33	@ad<"20000330" and (integrity) and (hash$3 signature) and (locat$3 with modif$7) and (track$3 adj (modif$7 chang$3 fals$10 alter$6))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:38
S74	1307	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:40
S75	445	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 fals$10 alter$6) with (node locat$3 between rout$3))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:43
S76	431	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 fals$10 alter$6) with (locat$3 between rout$3))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:42

S77	417	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 fals$10 alter$6) with (node locat$3 between route$1))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:43
S78	413	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 falsif$7 alter$6) with (node locat$3 between route$1))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:44
S79	372	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 falsif$7 alter$6) with (node locat$3 between route$1)) and (signature hash$3 sign$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:44
S80	263	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 falsif$7 alter$6) with (node locat$3 between route$1)) and (signature hash$3 sign signs signing)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:46
S81	203	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 falsif$7 alter$6) with (node locat$3 between route$1)) and (signature hash$3 sign signs signing) and network	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:46
S82	203	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 falsif$7 alter$6) with (node locat$3 between route$1)) and (signature hash$3 sign signs signing) and network	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:47
S84	164	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 chang$3 falsif$7 alter$3 alteration$1) with (node locat$3 between route$1)) and (signature hash$3 sign signs signing) and network	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 07:47
S85	101	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((modif$7 falsif$7 alter$3 alteration$1) with (node locat$3 between route$1)) and (signature hash$3 sign signs signing) and network	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 08:17
S86	5	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((determin$5 detect$3) with (modif$7 falsif$7 alter$3 alteration$1) with (locat$3 route$1)) and (signature hash$3 sign signs signing) and network	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 08:20
S87	7	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((determin$5 detect$3) with (modif$7 falsif$7 alter$3 alteration$1) with (locat$3 route$1)) and (signature hash$3 sign signs signing)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 09:08
S88	2	S87 not S86	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 08:24
S89	1	("5905800").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 08:24
S90	0	@ad<"20000330" and (713/176,179,181. ccls. 705/51,54,56,57,58.ccls.) and ((determin$5 detect$3) with where with modification with occur$4)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/10 09:09
S91	5180	@ad<"20000320" and (authenticat$3 verif$9) with (fail$3 unsuccessful negative)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 11:22

S92	213	@ad<"20000320" and ((authenticat$3 verif$9) with (fail$3 unsuccessful negative)) and ((alert$3 notif$8) with (sender originating recipient receiver source destination))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 11:24
S93	13	@ad<"20000320" and ((authenticat$3 verif$9) with (fail$3 unsuccessful negative)) same ((alert$3 notif$8) with (sender originating recipient receiver source destination))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 15:24
S96	61	@ad<"20000320" and ((authenticat$3 verif$9) with (fail$3 unsuccessful negative)) and ((alert$3 notif$8) with (sender recipient receiver source destination)) and (watermark$3 signature)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 15:28
S97	15	@ad<"20000320" and ((verif$9) with (fail$3 unsuccessful negative)) and ((alert$3 notif$8) with (sender recipient receiver source destination)) and (watermark$3)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 15:40
S98	0	@ad<"20000320" and ((verif$9) same (fail$3 unsuccessful negative) same (watermark$3)) and ((alert$3 notif$8) with (sender recipient receiver source destination))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 15:29
S99	1	"5454037".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	OFF	2005/02/10 15:40
S100	1	"6263313".pn. and notif$9	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:34
S101	70	@ad<"20000320" and (watermark$3 same document same (verif$9 valid$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:06
S102	41	@ad<"20000320" and ((watermark$3 with document) same (verif$9 valid$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 07:09
S103	16	@ad<"20000320" and ((watermark$3 with document) same (verif$9 valid$9)) and signature	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 07:13
S104	1	@ad<"20000320" and ((watermark$3 with document) same (verif$9 valid$9)) and signature and (web adj page)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 07:14
S105	3	@ad<"20000320" and ((watermark$3 with document) same (verif$9 valid$9)) and signature and html	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 07:23
S106	2	@ad<"20000320" and ((watermark$3 with document) same (verif$9 valid$9)) and (intermediary router gateway)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 07:31
S107	1	"6263313".pn. and notif$9 and watermark$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:02
S108	1	"6263313".pn. and notif$9 and watermark$3 and signature	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:05
S109	23	@ad<"20000320" and (watermark$3 same document same signature same (verif$9 valid$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:05

S110	6	@ad<"20000320" and (watermark$3 same document same signature same (verif$9 valid$9) same (integrity modif$13))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:11
S111	0	@ad<"20000320" and (watermark$3 same (web adj page) same signature same (verif$9 valid$9) same (integrity modif$13))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:11
S112	1	@ad<"20000320" and (watermark$3 same (html)same signature same (verif$9 valid$9) same (integrity modif$13))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:11
S113	1	@ad<"20000320" and (watermark$3 same (html) same signature same (verif$9 valid$9) same (integrity modif$13))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:16
S114	14	@ad<"20000320" and (watermark$3 same signature same (verif$9 valid$9) same (integrity modif$13))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:23
S115	8	@ad<"20000320" and (watermark$3 same html same (picture audio jpeg jpg))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 08:24
S117	1	"6401206".pn. and (impression$1 watermark$3 mark$1)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:38
S118	419	(watermark$3 same document same (verif$9 valid$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:06
S119	15	(watermark$3 same document same integrity same (verif$9 valid$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:13
S120	308	(fax facsimile) and watermark$3 and integrity	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:13
S121	131	@ad<"20000320" and (fax facsimile) and watermark$3 and integrity	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:18
S122	119	S121 not (rhodes.in. ginter.in.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:17
S123	84	S121 not (rhoads.in. ginter.in.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:17
S124	46	@ad<"20000320" and (fax facsimile) and (watermark$3 same (integrity signature)) not (rhoads.in. ginter.in.)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:22
S125	352	@ad<"20000320" and (watermark$3 same (valid$9 verif$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:22
S126	33	@ad<"20000320" and (watermark$3 same (valid$9 verif$9) same integrity)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:25
S127	26	@ad<"20000320" and (watermark$3 same (valid$9 verif$9) same integrity) and signature	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:27
S128	1	"6401206".pn. and (impression$1 watermark$3 mark$1 jpg jpeg tiff)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 09:49

S129	1	("6,141,753").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/02/14 10:23
S130	0	"6,141,753".pn. and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:04
S131	0	"6141753".pn. and hash$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:04
S132	0	"6141753".pn. and signature	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:06
S133	110	(koch.in. zhao.in.) and signature	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:06
S134	1	("6351811").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/02/14 10:23
S135	1	S134 and (firewall)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:23
S136	125	@ad<"20000320" and (watermark$3 with removed)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:28
S137	34	@ad<"20000320" and (watermark$3 with removed) and (watermark$3 with (validat$3 verif$9))	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:37
S138	923	@ad<"20000320" and (signature same integrity)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:38
S139	227	@ad<"20000320" and (signature same integrity) and (display with user)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:39
S140	20	@ad<"20000320" and (signature same integrity) and (display with results with user)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:39
S141	1	@ad<"20000320" and (signature same integrity) and (display with results with user with verif$9)	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2005/02/14 10:41

09812353
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Michael.Simitoski@uspto.gov
(571) 272-3841

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Barnes, B.H.;
Software, IEEE , Volume: 15 , Issue: 5 , Sept.-Oct. 1998
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1 **Content-based digital signature for motion pictures authentication a content-fragile watermarking**
Dittmann, J.; Steinmetz, A.; Steinmetz, R.;
Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 2 , 7-11 June 1999
Pages:209 - 213 vol.2

[Abstract] [PDF Full-Text (488 KB)] **IEEE CNF**

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2 **Relevance of watermarking in medical imaging**
Coatrieux, G.; Maitre, H.; Sankur, B.; Rolland, Y.; Collorec, R.;
Information Technology Applications in Biomedicine, 2000. Proceedings. 2000 EMBS International Conference on , 9-10 Nov. 2000
Pages:250 - 255

[Abstract] [PDF Full-Text (548 KB)] **IEEE CNF**

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Image Processing, 2000. Proceedings. 2000 International Conference on , Vol 3 , 10-13 Sept. 2000
Pages:694 - 697 vol.3

[Abstract] [PDF Full-Text (816 KB)] **IEEE CNF**

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Pages:1297 - 1300 vol.3

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Rey, C.; Dugelay, J.-L.;
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[Abstract] [PDF Full-Text (724 KB)] IEE CNF

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Software, IEEE , Volume: 15 , Issue: 5 , Sept.-Oct. 1998
Pages:30 - 33

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8 **Fault resilient and compression tolerant digital signature for image authentication**
Der-Chyuan Lou; Jiang-Lung Liu;
Consumer Electronics, IEEE Transactions on , Volume: 46 , Issue: 1 , Feb. 20(
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9 **Watermark design pattern for intellectual property protection in electronic commerce applications**
Kwok, S.H.; Yang, C.C.; Tam, K.Y.;
System Sciences, 2000. Proceedings of the 33rd Annual Hawaii International Conference on , 4-7 Jan. 2000
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10 **Robust hash functions for digital watermarking**
Fridrich, J.; Goljan, M.;
Information Technology: Coding and Computing, 2000. Proceedings. Internati Conference on , 27-29 March 2000
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11 **Robust FPGA intellectual property protection through multiple smal watermarks**
Lach, J.; Mangione-Smith, W.H.; Potkonjak, M.;
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Pages:831 - 836

[Abstract] [PDF Full-Text (636 KB)] IEEE CNF

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12 **A public key watermark for image verification and authentication**
Ping Wah Wong;
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Pages:455 - 459 vol.1

[Abstract] [PDF Full-Text (424 KB)] IEEE CNF

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Lach, J.; Mangione-Smith, W.H.; Potkonjak, M.;
Design Automation, 1999. 36th Annual Conference on , 21-25 June 1999
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2 Software watermarking: models and dynamic embeddings
Christian Collberg, Clark Thomborson
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3 Robust FPGA intellectual property protection through multiple small watermarks
John Lach, William H. Mangione-Smith, Miodrag Potkonjak
June 1999 **Proceedings of the 36th ACM/IEEE conference on Design automation**
Full text available: pdf(119.08 KB) Additional Information: full citation, references, citings, index terms

Keywords: field programmable gate array (FPGA), intellectual property protection, watermarking

4 Secure distribution of watermarked images for a digital library of ancient papers
Christian Rauber, Joe Ó Ruanaidh, Thierry Pun
July 1997 **Proceedings of the second ACM international conference on Digital libraries**
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5 Robust IP watermarking methodologies for physical design
Andrew B. Kahng, Stefanus Mantik, Igor L. Markov, Miodrag Potkonjak, Paul Tucker, Huijuan

Wang, Gregory Wolfe
May 1998 **Proceedings of the 35th annual conference on Design automation - Volume 00**

Full text available: pdf(425.94 KB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

Increasingly popular reuse-based design paradigms create a pressing need for authorship enforcement techniques that protect the intellectual property rights of designers. We develop the first intellectual property protection protocols for embedding design watermarks at the physical design level. We demonstrate that these protocols are tarnsparent with respect to existing industrial tools and design flows, and that they can embed watermarks into real-world industrial designs ...

Keywords: intellectual property test, system-on-chip test, testing embedded core

6 How watermarking adds value to digital content
John M. Acken
July 1998 **Communications of the ACM**, Volume 41 Issue 7

Full text available: pdf(273.94 KB) Additional Information: full citation, references, index terms, review

7 Watermarking techniques for intellectual property protection
A. B. Kahng, J. Lach, W. H. Mangione-Smith, S. Mantik, I. L. Markov, M. Potkonjak, P. Tucker, H. Wang, G. Wolfe
May 1998 **Proceedings of the 35th annual conference on Design automation - Volume 00**

Full text available: pdf(243.93 KB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

Digital system designs are the product of valuable effort and know-how. Their embodiments, from software and HDL program down to device-level netlist and mask data, represent carefully guarded intellectual property (IP). Hence, design methodologies based on IP reuse require new mechanisms to protect the rights of IP producers and owners. This paper establishes principles of watermarking-based IP protection, where a watermark is a mechanism for identificatio ...

Keywords: intellectual property test, system-on-chip test, testing embedded core

8 Robust FPGA Intellectual Property Protection Through Multiple Small Watermarks
John Lach, William H. Mangione-Smith, Miodrag Potkonjak
June 1999 **Proceedings of the 36th Annual Conference on Design Automation (DAC'99) - Volume 00**

Full text available: Publisher Site Additional Information: full citation, abstract

A number of researchers have proposed using digital marks to provide ownership identification for intellectual property. Many of these techniques share three specific weaknesses: complexity of copy detection, vulnerability to mark removal after revelation for ownership verification, and mark integrity issues due to partial mark removal. This paper presents a method for watermarking field programmable gate array (FPGA) intellectual property (IP) that achieves robustness by responding to these thr ...

Keywords: Field programmable gate array (FPGA), intellectual property protection,

watermarking

9 A digital watermarking system for multimedia copyright protection
Jian Zhao, Eckhard Koch
February 1997 **Proceedings of the fourth ACM international conference on Multimedia**
Full text available: pdf(184.20 KB) Additional Information: full citation, index terms

Keywords: copyright protection, digital watermarking, security

10 Content based watermarking of images
Mohan S. Kankanhalli, K. R. Ramakrishnan, Rajmohan
September 1998 **Proceedings of the sixth ACM international conference on Multimedia**
Full text available: pdf(864.71 KB) Additional Information: full citation, references, citings, index terms

11 Strategic directions in electronic commerce and digital libraries: towards a digital agora
Nabil Adam, Yelena Yesha
December 1996 **ACM Computing Surveys (CSUR)**, Volume 28 Issue 4
Full text available: pdf(244.34 KB) Additional Information: full citation, references, citings, index terms

12 HyperNews: a MEDIA application for the commercialization of an electronic newspaper
Jean-Henry Morin, Dimitri Konstantas
February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing**
Full text available: pdf(2.74 MB) Additional Information: full citation, references, index terms

Keywords: agents, copyright protection, electronic publishing

13 Open problems in electronic commerce
J. D. Tygar
May 1999 **Proceedings of the eighteenth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems**
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14 A secure distributed capability based system (extended abstract)
Howard L. Johnson, John F. Koegel, Rhonda M. Koegel
October 1985 **Proceedings of the 1985 ACM annual conference on The range of computing : mid-80's perspective: mid-80's perspective**
Full text available: pdf(1.22 MB) Additional Information: full citation, references, index terms

Keywords: capability architecture, computer security, distributed system security, network encryption

15 Copy detection mechanisms for digital documents
Sergey Brin, James Davis, Héctor García-Molina
May 1995 **ACM SIGMOD Record , Proceedings of the 1995 ACM SIGMOD international conference on Management of data**, Volume 24 Issue 2
Full text available: pdf(1.51 MB) Additional Information: full citation, abstract, references, citings, index terms

In a digital library system, documents are available in digital form and therefore are more easily copied and their copyrights are more easily violated. This is a very serious problem, as it discourages owners of valuable information from sharing it with authorized users. There are two main philosophies for addressing this problem: prevention and detection. The former actually makes unauthorized use of documents difficult or impossible while the latter makes it easier to discover such activity.I ...

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Diana Patterson
April 1983 **Proceedings of the 2nd annual international conference on Systems documentation**
Full text available: pdf(422.70 KB) Additional Information: full citation, abstract, references, index terms

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17 A compositional account of the Java virtual machine
Phillip M. Yelland
January 1999 **Proceedings of the 26th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**
Full text available: pdf(1.40 MB) Additional Information: full citation, references, citings, index terms

Keywords: Haskell, Java bytecode, Java virtual machine, verification

18 Atomicity in electronic commerce
J. D. Tygar
May 1996 **Proceedings of the fifteenth annual ACM symposium on Principles of distributed computing**
Full text available: pdf(1.74 MB) Additional Information: full citation, references, citings, index terms

19 The Alpine file system
M. R. Brown, K. N. Kolling, E. A. Taft
November 1985 **ACM Transactions on Computer Systems (TOCS)**, Volume 3 Issue 4
Full text available: pdf(2.95 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Alpine is a file system that supports atomic transactions and is designed to operate as a service on a computer network. Alpine's primary purpose is to store files that represent databases. An important secondary goal is to store ordinary files representing documents, program modules, and the like. Unlike other file servers described in the literature, Alpine

uses a log-based technique to implement atomic file update. Another unusual aspect of Alpine is that it performs all commu ...

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